Century WIRELINE SERVICES

DIPMETER ANALYSIS

DHGH-14-10

COMPANY	ATRUM COAL
WELL	DHGH-14-10
FIELD	GROUNDHOG
COUNTRY	CANADA
PROVINCE	BRITISH COLUMBIA
LSD	GROUNDHOG
SECTION	N/A
TOWNSHIP	N/A
RANGE	N/A
LICENSE NO.	N/A
UNIQUE WELL ID.	N/A
PERMANENT DATUM	GL
LOG MEASURED FROM GL	
DRL MEASURED FROM GL	
DATE	06/10/14
DEPTH DRILLER	286.21
BIT SIZE	9.8
LOG TOP	-1.10
LOG BOTTOM	110.50
CASING LOGGER	3.66
CASING DRILLER	3.66
CASING TYPE	STEEL
BOREHOLE FLUID	WATER
RM TEMPERATURE	N/A
MUD RES	N/A
MUD WEIGHT	1.00
WITNESSED BY	N/A
RECORDED BY	T. NEAL
REMARKS 1	VERTICAL
REMARKS 2	:
ELEVATION KB	N/A
ELEVATION DF	N/A
ELEVATION GL	N/A
RIG NUMBER	2
LOGGER TD	285.49
ARRIVAL TIME	10:30
DEPARTURE TIME	11:30
CIRC STOPPED	N/A

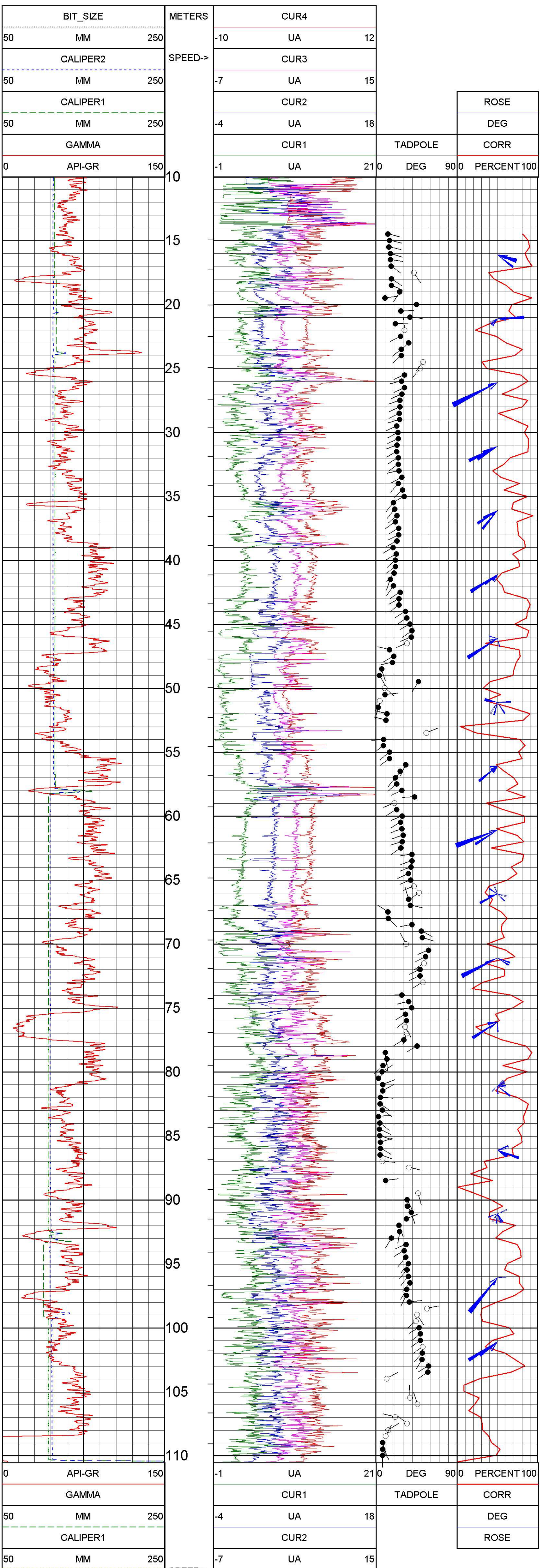
OTHER SERVICES:
DENSITY
SONIC

ALL SERVICES PROVIDED SUBJECT TO STANDARD TERMS AND CONDITIONS

FORMATION DIPMETER 1:200 DHGH-14-10 06/10/14

LOG PARAMETERS

MATRIX DENSITY : 2.65 NEUTRON MATRIX : SANDSTONE MATRIX DELTA T : 177
MAGNETIC DECL : 19.5 ELECT. CUTOFF : 75000 BIT SIZE : 9.8
PRESENTATION NAME/DATE = Atrum_9411-2.0 06/05/2014 VERSION = 3.64KX



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TOOL CALIBRATION DHGH-14-10 06/10/14 19:43
TOOL 9411A TM VERSION 6
SERIAL NUMBER 4504

	DATE	TIME	SENSOR	STANDARD		RESPONSE	
1	Sep04,13	17:17:51	GAMMA	0.100	[API-GR]	0.000	[CPS]
	Sep04,13	17:17:51	GAMMA	545.000	[API-GR]	519.000	[CPS]
2	May04,10	13:04:32	VOLTAGE	50.000	[MV]	400.000	[CPS]
	May04,10	13:04:32	VOLTAG	280.000	[MV]	1900.000	[CPS]
3	Jan13,14	09:54:46	CUR1	5.580	[UA]	8180.000	[CPS]
	Jan13,14	09:54:46	CUR1	13.250	[UA]	22864.000	[CPS]
4	Jan13,14	09:54:56	CUR2	5.580	[UA]	9045.000	[CPS]
	Jan13,14	09:54:56	CUR2	13.250	[UA]	22151.000	[CPS]
5	Jan13,14	09:55:08	CUR3	5.580	[UA]	8711.000	[CPS]
	Jan13,14	09:55:08	CUR3	13.250	[UA]	21601.000	[CPS]
6	Jan13,14	09:55:14	CUR4	5.580	[UA]	8241.000	[CPS]
	Jan13,14	09:55:14	CUR4	13.250	[UA]	23064.000	[CPS]
7	Dec07,13	21:40:24	CALIPER	100.000	[INCH]	5085.000	[CPS]
	Dec07,13	21:40:24	CALIPER	152.000	[INCH]	6983.000	[CPS]
8	Dec07,13	21:40:54	CALIPER	100.000	[INCH]	3877.000	[CPS]
	Dec07,13	21:40:54	CALIPER	152.000	[INCH]	5952.000	[CPS]